

AMENDMENTS TO THE CLAIMS

Kindly amend claims 48, 68, 69, 71, and 72 and cancel claims 70 and 73-75 as follows.

1-47. (Cancelled)

48. (Currently amended) A method of detecting *Chlamydia* in a sample, said method comprising:

(a) providing an antibody that specifically binds to a peptide having a sequence consisting essentially of SEQ ID NO: 97; and

(b) performing on the a sample an antigen capture assay using an said antibody that specifically binds to a peptide having a sequence consisting essentially of SEQ ID NO: 93; SEQ ID NO: 96; SEQ ID NO: 97; SEQ ID NO: 100; or SEQ ID NO: 101 wherein binding of said antibody indicates the presence of *Chlamydia* in said sample.

49-67. (Cancelled)

68. (Currently amended) A method for detecting *Chlamydia* in a sample, said method comprising the steps of:

a) providing a sample;

b) contacting said sample with an-antibody that specifically binds to a peptide having a sequence consisting essentially of SEQ ID NO: 93; SEQ ID NO: 96; SEQ ID NO: 97; SEQ ID NO: 100; or SEQ ID NO: 101; and

b) c) detecting the binding of said an antibody in said sample to said peptide a sample component of said sample, wherein binding of said antibody to said peptide indicates the presence of *Chlamydia* in said sample.

69. (Currently amended) The method of claim 68, wherein said antibody specifically binds to a peptide having a sequence consisting essentially of ~~SEQ ID NO: 93~~ or SEQ ID NO: 97, and the binding of said antibody to said peptide sample component indicates that said *Chlamydia* is *Chlamydia pneumoniae*.

70. (Cancelled)

71. (Currently amended) A method for detecting the presence of *Chlamydia* in a sample, said method comprising the steps of:

- a) immobilizing ~~said~~ a sample onto a substrate;
- b) providing an antibody that specifically binds to a peptide having a sequence consisting essentially of SEQ ID NO: 97;
- c) contacting said immobilized sample with ~~an~~ said antibody ~~that specifically binds to a peptide having a sequence consisting essentially of SEQ ID NO: 93; SEQ ID NO: 96; SEQ ID NO: 97; SEQ ID NO: 100; or SEQ ID NO: 101,~~ wherein said antibody becomes immobilized if said sample contains *Chlamydia*; and
- e) ~~d~~ detecting the presence of immobilized antibody, wherein the presence of immobilized antibody indicates the presence of *Chlamydia* in said sample.

72. (Currently amended) The method of claim 71, wherein said antibody specifically binds to a peptide having a sequence consisting essentially of ~~SEQ ID NO: 93~~ or SEQ ID NO: 97, and the presence of immobilized antibody indicates that said *Chlamydia* is *Chlamydia pneumoniae*.

73-75. (Cancelled)